WHAT IS CLAIMED IS:

1.   A method of enhancing data delivery comprising:

    sending a first packet from a client interface to a

remote terminal at a first time;

    receiving at the client interface a second packet from

the remote terminal at a second time;

    determining a response time of the remote terminal at the

client interface based on a time period between the first time

and the second time;

    using said response time to determine information related

to a connection speed between the remote terminal and the

client interface;

    providing a plurality of different content versions, each

having a different amount of information, each content version

being optimized for a specific connection speed;

    based on said determined connection speed, automatically

selecting a content version from said plurality of content

versions; and

    providing the remote terminal with the selected content

version.

2.   The method of Claim 1, further comprising

determining a data flow rate from the determined response time

23 of the remote terminal, and wherein the determining the

24 response time comprises:

25   starting a timer at the first time when the client

26 interface sends the first packet to the remote terminal; and

27   stopping the timer at the second time when the client

28 interface receives the second acknowledgement packet from the

29 remote terminal.

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31   3. The method of Claim 1, further comprising determining

32 network congestion based on the determined response time.

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34   4. The method of Claim 1, further comprising

35 determining the response time based on a timing of a handshake

36 between the remote terminal and the client interface.

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38   5. The method of Claim 1, wherein selecting the

39 destination address from a plurality of addresses is based on

40 a requested address by the remote terminal and the determined

41 response time.

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44   6. A method of connecting a remote terminal to a server

45 comprising:

46   sending a first packet from a client interface to the

47 remote terminal;

48   receiving at the client interface a second packet from

49 the remote terminal;

50   determining a response time of the remote terminal at the

51 client interface based on a time period elapsing between the

52 first packet being sent and the second packet being received;

53   using said response time to determine a connection speed

54 between the remote terminal and the client interface;

55   providing a plurality of content versions, each content

56 version having a different amount of information at a server

57 coupled to the client interface, each content version being

58 optimized for a specific connection speed;

59   receiving a request for content;

60   based on said connection speed, selecting a version

61 corresponding to the request; and

62   communicating data indicating the selected version to the

63 remote terminal.

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65   7.   The method of Claim 6, further comprising

66 determining a data flow rate from the remote terminal based on

67 the response time.

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69   8.   The method of Claim 6, wherein the requested

70 destination address includes a main destination address and a

71 plurality of sub-addresses, each of said sub-addresses

72 corresponding to a connection speed and optimized for a said

73 connection speed.

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75   9.   The method of Claim 6, further comprising

76 determining a network congestion based on the determined

77 response time.

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79   10.   The method of Claim 6, further comprising connecting

80 the remote terminal to the selected destination address.

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82   11.   An apparatus, including instructions residing on a

83 machine-readable storage medium, for use in a machine-based

84 system to handle a plurality of instructions, the instructions

85 causing the machine system to:

86   send a first packet from a client interface to the remote

87 terminal;

88   receive at the client interface a second packet from the

89 remote terminal;

90   determine a response time of the remote terminal at the

91 client interface based on a time period between the first

92 packet being sent and the second packet being received;

93   use said response time to determine a connection speed

94   between the remote terminal and the client interface;

95   access a plurality of content versions, each content

96   version having a different amount of content, and each content

97   version being optimized for a specific connection speed;

98   receive a request for content;

99   based on said determined connection speed, select a

100   content version corresponding to the request; and

101   communicate the selected version to the remote terminal.

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103   12.   The apparatus of Claim 11, wherein the instructions

104   further cause the machine system to connect the remote

105   terminal to the selected destination address.

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107   13.   The apparatus of Claim 11, wherein the response time

108   includes effects for network congestion.

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110   14.   The apparatus of Claim 11, wherein the response time

111   is determined based on the timing of a handshake between the

112   remote terminal and the client interface.